

INDUSTRIAL OILS and FATTY ACIDS

TIRUPATI is a pioneer in manufacturing various industrial oils and fatty acids that cater to a wide range of industrial applications. With almost four decades of serving industries, TIRUPATI has earned itself the trust and recognition by offering excellent quality oils, fatty acids and related products to its customers, the specifications of which meet internationally acceptable standards.

Our processes and technology allow us to meet any specifications as required by our customers. This has been possible due to our vast and varied expertise, knowledge and experience of the products that we offer.

TIRUPATI's range of Industrial Oils and Fatty Acids include:

- Ricebran Oil
- Palm Oil
- Soyabean Oil
- Bio-based Rust Preventive Oil
- Palm Fatty Acid Distillate
- Palm Kernel Oil (*Elaeis guineensis*)
- Castor Oil (*Ricinus communis*)
- Karanjia Oil (*Pongamia pinnata*)
- Neem Oil (*Azadirachta indica*)
- Mahua Oil (*Madhuca longifolia*)
- Jatropha Oil (*Jatropha curcas*)

Bio-based Rust Preventive Oil

TIRUPATI's Bio-based Rust Preventive Oil belongs to the newest and most advanced generation of corrosion protection products. It is a 100% bio-based, biodegradable product, formulated with renewable raw materials, intended for preservation of metals during processing, in storage and transportation. This oil offers a multi-metal protection and is an excellent environmentally sound alternative to petroleum derived products.

By using our Bio-based Rust Preventive Oil, our customers can replace hazardous, anti-corrosion oils and flammable solvents, with a more effective solution at lower costs.

APPLICATIONS

Our Bio-based Rust Preventive Oil, can be applied by dipping, spraying or brushing.

It can be used as:

- Biodegradable preservative for machines and equipments
- Temporary coating for storage and shipment
- Protector of pipes, flanges, gears, cast iron, sheets, and coils
- Protective coating in industries like alloying and plating to prevent metals from corrosion





Specifications of Industrial Oils and Fatty Acids

TEST	UNIT	CASTOR	PALM	RICEBRAN	SOYA	PALM KERNEL	KARANJIA	NEEM	MAHUA	JATROPHA	PFAD*
APPEARANCE	---	PALE YELLOW	PALE YELLOW	LIGHT BROWN	PALE YELLOW	PALE YELLOW	DARK BROWN	GREENISH BROWN	PALE YELLOW	PALE YELLOW/BROWN	BROWN
ODOUR	---	TYPICAL	TYPICAL	TYPICAL	TYPICAL	TYPICAL	TYPICAL	TYPICAL	TYPICAL	TYPICAL	TYPICAL
FFA	%	3.0 MAX.	3.0 MAX.	3.0 MAX.	3.0 MAX.	3.0 MAX.	10.0 MAX.	15.0 MAX.	2.0 MAX.	20.0 MAX.	80.0 MIN.
IODINE VALUE	Mg/100gm	83 - 88	50 - 55	99 - 108	125 - 136	16 - 19	80 - 90	65 - 80	58 - 70	90 - 115	50 - 55
SAP VAULE	Mg/gm	176 - 184	240 - 255	180 - 190	180 - 198	230 - 250	185 - 195	175 - 205	187 - 196	183 - 198	190 - 205
MOISTURE	%	0.5 MAX.	0.5 MAX.	0.5 MAX.	0.5 MAX.	0.5 MAX.	0.5 MAX.	0.5 MAX.	0.5 MAX.	0.5 MAX.	1 MAX.
UNSAF VALUE	%	<1.5	<1.0	<2.5	<1.0	<1.0	<3.0	<2.0	<2.5	<2.0	<3.5
SPECIFIC GRAVITY @ 25°C	g/cc	0.957-0.961	0.911-0.918	0.900-0.913	0.895-0.922	0.892-0.917	0.898-0.925	0.908-0.935	0.856-0.870	0.900-0.925	
HYDROXYL VALUE	---	160 - 168									

We can process the industrial oils and fatty acids to meet any specifications as required by our customers.

*Palm Fatty Acid Distillate

